

# Community Preservation Committee Town of Arlington

## CPA Funding – 2016 Application

One (1) electronic copy and three (3) hard copies of the completed Application must be submitted to the CPC **by no later than Noon on February 22, 2016 in order to be considered for the 2016 Annual Town Meeting**, with the electronic copy sent to [EMargolis@town.arlington.ma.us](mailto:EMargolis@town.arlington.ma.us) and the hard copies to:

Community Preservation Committee c/o Adam Chapdelaine, Town Manager  
Town of Arlington, 730 Mass Ave., Arlington, MA 02476

Applications will be date stamped and assigned control numbers in the order that the hard copies are received.

### Project

Title Spy Pond Edge Protection and Erosion Control

### Applicant/Contact

Person Cori Beckwith, Administrator

Organization Arlington Conservation Commission

Mailing Address Town Hall, 730 Massachusetts Avenue, Arlington, MA 02476

Telephone 781.316.3012

E-mail arlingtonma.gov/conservation

Signature  Date 19 February 2016

CPA Category (check all that apply):

☐ Community Housing ☐ Historic Preservation

☒ Open Space ☐ Recreation

Amount Requested \$49,760.

Total Project Cost \$49,760.

**PROJECT DESCRIPTION:** Attach answers to the following questions. Applications will be returned as incomplete if all requested information is not provided. Include supporting materials as necessary.

## **PROJECT DESCRIPTION**

The Conservation Commission is requesting \$49,760 for a feasibility study and detailed survey associated with the preservation of four (4) Town-owned parcels of failed shoreline along Spy Pond (see Project Locus Plan, Appendix 1). Spy Pond is a 103-acre kettle hole pond located in the Mystic River Watershed. The town-owned parcels that have been identified as needing preservation and long term protection include:

1. Spy Pond Park Shoreline
2. Scannell Field Shoreline
3. Arlington Boys and Girls Club Shoreline
4. Spring Valley Street Shoreline

Shoreline erosion in these areas has resulted from high recreational pressure, stormwater inputs from overland flow, and wave/ice action (see Appendix 2 for parcel locations and Appendix 3 for photographs of the existing shoreline conditions).

A further description of the parcels and their uses follows. Spy Pond Park is located on the North Shore of Spy Pond between Pond Lane and Linwood Street and is the main public access point to the pond. It is a heavily utilized park, which has a playground, public boat ramp (for kayaks and canoes, motorized boats up to 10 HP and emergency response), picnic area and access to the adjacent Minuteman Bike Path. Other publicly owned parcels of land around Spy Pond are located at the end of Wellington Street adjacent to the Arlington Boys and Girls Club (60 Pond Lane), from the edge of Scannell Field at Linwood Circle to the Spy Pond Condominiums, and a small parcel of land at the end of Spring Valley Street on the West Shore of Spy Pond (see Public Parcel Location Plan, Appendix 2).

## **GOALS:**

The primary goals of this project include preserving the existing riparian shoreline and improving the quality of stormwater entering Spy Pond from Town-owned parcels. Additional benefits associated with meeting these goals include:

- Enhanced and diverse habitat
- Reduced erosion and sedimentation
- Controlled and strengthened access
- Stakeholder engagement and public education

## **COMMUNITY NEED:**

In the spring of 2013, members of the Conservation Commission noticed that the shoreline edge along Spy Pond was deteriorating and that there was the potential for long-term failure adjacent to public open space. The Commission invited those who care for and maintain Spy Pond Park, such as the Friends of Spy Pond Park, to discuss ways to enhance, protect and further stabilize the shoreline. Since that time

the Commission has also met with the Town of Arlington Director of Public Works, the Town Engineer and a representative from the Mystic River Watershed Association (MyRWA) to address the shoreline failure and outline an approach for future preservation.

Furthermore, the Arlington Master Plan, adopted in 2015, identifies the public health and ecologic benefits of open spaces in Arlington, including Spy Pond. The following excerpts exemplify the need to preserve Spy Pond's shoreline from future damage:

Page 18

"adaptation to climate change and environmentally sustainable planning and engineering approaches for natural resource management",

"protecting all water bodies and watersheds for both healthy ecological balance and recreational purposes",

"native and natural choices for landscaping on Town-owned properties",

Page 133

"Water quality and environmental degradation of Spy Pond is an ongoing concern."

Additionally, Arlington's Open Space and Recreation Plan (2015-2022), identifies a community need associated with the use and preservation of Spy Pond:

Page 55

**Spy Pond** description of Access, Recreational Use and Wildlife Use reiterates the importance of this water body to residents of Arlington and other nearby communities (as potential tourist destination).

Page 65

The Historical Society's Smith Museum now displays the 6-½ foot tusk, which is about 42,000 years old, that Arvid Carlson found in Spy Pond. (This area does have historical significance, too, via Elizabeth Island and the use of the pond as an historical site for practicing war maneuvers.)

Page 70

"All of the water bodies in Arlington (particularly Spy Pond ....) face the threat of nonpoint pollution from roadway, house, business, and storm water runoff... Non point pollution travels through runoff or sheets of rainwater that travels across the land."

Page 122 and 123 (Goals of the Plan)

Goal 2 – Preserve, maintain and enhance existing open spaces, including watersheds, water bodies, and natural areas; parks, playgrounds and outdoor recreational facilities; and historic sites and cultural landscapes.

Goal 3 – Coordinate and strengthen local and regional planning and management of open spaces with various Town departments, commissions, and volunteer groups.

Goal 4 – Increase public awareness, accessibility, and community stewardship of the Town's open spaces and recreational facilities.

Goal 5 – Use environmentally sustainable planning and engineering approaches for climate change and natural resources management.

Our project meets the following selection Criteria from the Community Preservation Plan selection criteria for Open Space and Recreation:

- Land that is considered open space
- Land containing natural resources, including: surface water bodies, wetland, vernal pools and riparian zone, other lands subject to the Wetlands Protection Act
- Land of habitat or wildlife significance (subject to Massachusetts Endangered Species Act)
- Land adjacent to existing open space or conservation lands that may promote connectivity of habitat, protect or enhance wildlife, water, and human corridors; provide a buffer for existing open space
- Land connecting open space (Spy Pond Park) and conservation lands such as bike trails (Minuteman Bike Path) and pedestrian paths
- Land that provides flood control or water storage, especially land bordering Arlington's ponds, rivers and streams and their watersheds
- Land that has historic significance, is scenic, provides scenic vistas, protects, the character of the Town, or that meets the Town's recreation needs.

In addition from the Recreation Section of the Plan:

- Land that may offer protection to wildlife within the recreation site
- Land that enhances the public spaces surrounding a recreation site
- Land that acts as a natural buffer to a recreation site.

The project is eligible for CPA funding because it:

- Preserves or utilizes currently owned Town Assets
- Demonstrates consistency with other current and widely scrutinized planning documents that have been adopted by the Town of Arlington
- Received endorsement from other municipal boards or departments, and
- Serves more than one CPA purpose.

**COMMUNITY SUPPORT:**

The Arlington Conservation Commission held discussions with the Town Manager, the Town Department of Public Works, the Friends of Spy Pond Park, and the Vision 2020 Spy Pond Committee. All of the entities listed above expressed their support for the Commission's proposal. The Commission will brief the Town Recreation Commission on March 8<sup>th</sup> on the details of the proposed project and hope to gain their support. Fourteen (14) letters of support have been received for the project and are attached (see Appendix 4).

**PROJECT DOCUMENTATION:**

The Town proposes to hire Chester Engineers to develop a preferred alternative that when implemented will be sustainable, maintainable and affordable. The main tasks outlined for this phase of the project include:

- Fully characterize and create a base drawing of the existing conditions (survey) for each of the project areas
- Develop concept alternatives based on stabilization, preservation and erosion control
- Develop a final concept plan (preferred alternative) with costs, maintenance components and permitting schedule; and
- Assist the Town and its partners in leveraging additional public and/or private funds to match Community Preservation Act funds.

**TIMELINE:**

The project is anticipated to begin in July of 2016 and continue for a five-month period. The final deliverable, a concept plan with associated costs, schedule and maintenance requirements, is scheduled to be completed by December 2016 (see Detailed Project Schedule, Appendix 5).

**CREDENTIALS:**

The Town of Arlington Conservation Commission is comprised of volunteers with experience and expertise to successfully complete the project. The Commission is supporting their efforts by a Conservation Commission agent, a town employee. The Commission has a registered landscape architect, several engineers and environmental lawyers. Each of these individuals brings important expertise to the group for organizing, overseeing and planning this effort.

Please see the Professional Standards Section below for additional credentials.

**BUDGET:**

The proposed budget for the Final Concept Plan and Report is \$49,760. This includes \$44,700 for consultant design fees and survey, and an additional \$5,060 for the management of the project as yet to be determined if Town's Conservation Commission Administrator, Corinna Beckwith or another entity within the Planning

Department will do this. (See Appendix 6 for a breakdown of estimated consultant fees for the study and detailed survey). The Applicant will reduce the monies requested to \$44,700, if funding for an administrative project manager (Town) is not available.

**OTHER FUNDING:**

Additional funding sources are not being sought. A preliminary study for the Spring Valley Street area was undertaken in 2014 and funding was provided by the State of Massachusetts through a 604B Stormwater Grant.

**MAINTENANCE:**

No maintenance is proposed as part of this feasibility study.

**IMPACT ON TOWN BUDGET:**

N/A

**CONTROL OF SITE:**

All parcels are Town-owned. See attached assessor's map for parcel locations (Appendix 1).

**DEED RESTRICTIONS:**

N/A

**ACQUISITIONS:**

N/A

**FEASIBILITY:**

Once a final concept plan has been approved by the Conservation Commission and its stakeholders, the next phase will be to develop contract documents, including final design and engineering costs, to put out to bid. The project may also be broken into phases depending on the funding available. The application of permits to regulatory agencies will also occur during this phase.

**HAZARDOUS MATERIALS:**

The sediments of Spy Pond are known to contain arsenic, mostly originating from the historic runoff of herbicides. A data collection phase is incorporated into this project which will identify the likelihood and extent of hazardous materials near the shoreline. A recommendation for testing of soils and permitting impacts will be included as part of the feasibility study.

**PERMITTING:**

Permits will not be required as part of this preliminary study. If the project or components of the project progress beyond the conceptual stage, the project will require submission of a Notice of Intent (WPA) permit through the Town of Arlington Conservation Commission and MA DEP. Other permits, obtained through the EPA and/or DEP, may also be required based on the extent of work proposed

along the shoreline and under water. Application for these permits is typically sought at the 70% Contract Document Phase of the project.

**ENVIRONMENTAL CONCERNS:**

The proposed work areas are known to be in Wetland Resource Areas, Buffer Zone, Floodplain, Bank, and Land Under Water. A known Massachusetts Threatened Plant Species, Engelmann's Umbrella-sedge (*Cyperus engelmannii*), is a state species of special concern (threatened) and has been found within the proposed study area. All work will be under the review of the Natural Heritage Endangered Species Program (NHESP). The shoreline was surveyed in the fall of 2015, so they have recent information to review when eventually considering our work proposal.

**PROFESSIONAL STANDARDS:**

The Conservation Commission's Administrator, Cori Beckwith, or another entity within the Town's Planning Department, may be responsible for the coordination and management for this project. Ms. Beckwith has a BA in Environmental Science, an MA in Soil Science, studied wetland hydrology and soil science, and has familiarity with stormwater management bylaws, grant writing, and local wetland regulations (see Appendix 7).

The Arlington Conservation Commission, the project's sponsor, will work hand in hand with the Town in managing the project. If additional funding is not available from the Town for an employee's time, the Conservation Commission under the guidance of Catherine Garnett will be able to manage and successfully complete the project. Catherine Garnett is a registered landscape architect with a MLA in Landscape Architecture and a MS in Forestry with project management experience in the private sector as well as over 20 years with the MassDCR. In addition, the Conservation Commission is comprised of:

- Nathaniel Stevens, Chair – lawyer with leading wetland and environmental firm in Massachusetts, speaker at MACC annual conference
- Curtis Connors – lawyer in environmental litigation practice
- David E. White – energy consultant
- Charles I. Tirone – Conservation Administrator – Town of Reading
- Janine White – registered civil engineer and drainage design engineer for BSC Group
- Susan Chapnick – president of environmental consulting firm, NEH Inc.
- Michael Nonni – landscape designer

As the proposed planning and design consultants, Chester Engineers (formerly Bioengineering Group) has been a pioneer in the field of ecosystem restoration and stormwater management for over 20 years. Their team of engineers, ecologists, landscape architects and scientists have planned, designed and permitted the following regional shoreline preservation projects:

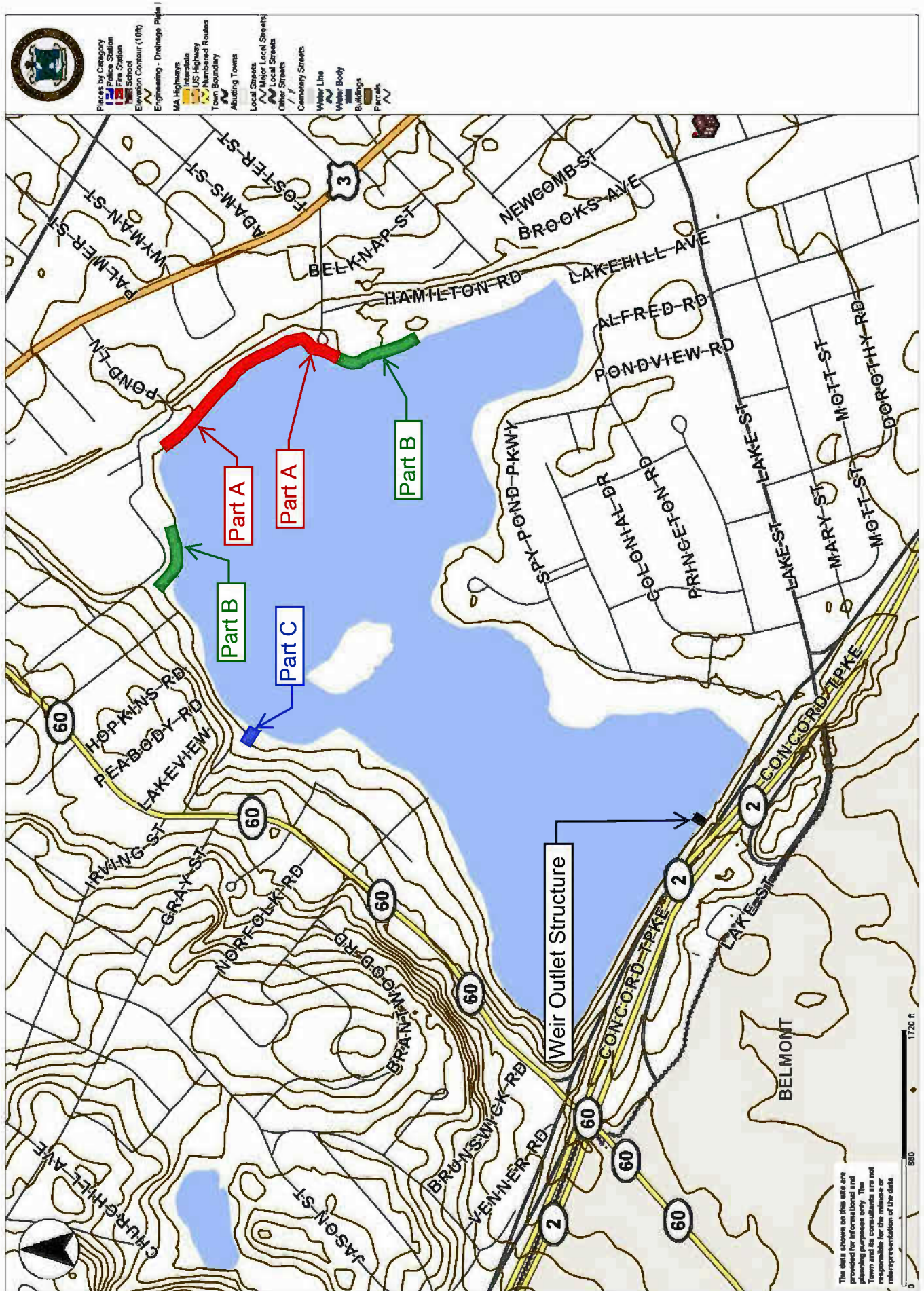
- Watertown Riverfront Park, Watertown (2015)
- Charles River Bank, Medfield State Hospital, Medfield (2013)
- Black's Nook Shoreline, Fresh Pond Reservation, Cambridge (2011)
- Little Fresh Pond Shoreline, Fresh Pond Reservation, Cambridge (2006)
- Magazine Beach Shoreline, Cambridge (2004)
- Mystic River Shoreline, Medford (2000)
- Walden Pond Shoreline and Trail Restoration, Concord (1996)

**FURTHER ATTACHMENTS:**

- Appendix 1: Assessor's map showing project locus
- Appendix 2: Aerial photograph depicting public parcel locations
- Appendix 3: Photographs, existing Spy Pond shoreline, with captions
- Appendix 4: Letters of support
- Appendix 5: Schedule
- Appendix 6: Proposed costs
- Appendix 7: Cori Beckwith resume



# APPENDIX 1: ASSESSOR'S MAP SHOWING PROJECT LOCUS



## APPENDIX 2: AERIAL IMAGE SHOWING PUBLIC PARCEL LOCATIONS





### APPENDIX 3: EXISTING CONDITIONS PHOTOGRAPHS



Spy Pond Park – Existing Shoreline Failure



Spy Pond Park – Stormwater Discharge from parking lot





Arlington Boys and Girls Club – Existing Shoreline Failure



Scannell Field Slope – Existing Shoreline Failure

## APPENDIX 4: LETTERS OF SUPPORT

Wayne A. Chouinard - Town of Arlington Department of Public Works

Derek F. Curran – Arlington Boys & Girls Club

Karen L. Grossman – Friends of Spy Pond Park

Ex Ong Kar Singh Khalsa – Mystic River Watershed Association

Ann LeRoyer – Arlington Open Space Committee

Steve Ricci & Brad Barber – Arlington’s Vision 2020 Environmental Task Group

Pam Sass – Arlington-Belmont Crew

Emily Snyder - Arlington Garden Club/ Spy Pond Rain Garden Committee

Colin & Susan Blair - Resident

Ann & Chritopher Ellinger – Resident

William Eykamp - Resident

David & Lauren Kopans - Resident

Lisa Reynolds – Resident

Lawrence “Stroker” Rogovin - Resident

Lally Stowell – Resident



Engineering Division

TOWN OF ARLINGTON  
Department of Public Works  
51 Grove Street  
Arlington, Massachusetts 02476  
*Office (781) 316-3320 Fax (781) 316-3281*

#### MEMORANDUM OF SUPPORT

Re: Spy Pond Edge Protection and Erosion Mitigation Project  
Date: February 19, 2016

The Department of Public Works (DPW) acknowledges stormwater runoff and erosion as significant factors that have an adverse impact on water quality. As such, the DPW supports projects and activities that promote improvements to local water resource areas and improve the overall water quality conditions within the Town. In particular, the DPW supports the current proposal of the Spy Pond Edge Protection and Erosion Mitigation Project due to the potential for reduced erosion, improved slope stabilization and resulting added water quality benefits for Spy Pond and down-gradient water features.

Sincerely,

Wayne A. Chouinard, PE  
Town Engineer



## **Arlington Boys & Girls Club**

Sixty Pond Lane  
Arlington, MA 02474-6586  
Phone: (781) 648-1617  
Fax (781) 648-5064  
abgclub@comcast.net  
www.abgclub.org

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February 17, 2016

Mr. Adam Chapdelaine  
Town Manager  
730 Mass. Ave  
Arlington, MA 02476

Dear Adam,

I am writing to support the preservation and protection of the Spy Pond shoreline and improving the water quality of Spy Pond, through increasing storm water infiltration, stabilization of the shoreline and any other measures deemed appropriate.

Over the seventeen years I have worked at the Arlington Boys & Girls Club I have seen how important Spy Pond is to the Arlington community. The pond is used year round by people of all ages. The pond is used for skating, boating, fishing or just a nice place to relax on a sunny day.

The Arlington Boys & Girls Club has run a boating program on the shores of Spy Pond for over 40 years and has taught thousands of children how to sail, kayak and canoe on Spy Pond. The Club is very fortunate to be located on Spy Pond and we wish for the pond to be protected and preserved so it can serve many more generations of our members.

Therefore, I support the Conservation Commission's application for CPA funding that will study the existing shoreline conditions, develop concept alternatives based on stabilization, preservation and erosion control, and a final concept plan. I hope that this pursuit will serve to eventually enhance experiences for all at Spy Pond.

Sincerely,

Derek F. Curran  
Executive Director  
Arlington Boys & Girls Club



## ***Friends of Spy Pond Park, Inc.***

*P.O. Box 1051  
Arlington, MA 02474*

February 5, 2016

Arlington Community Preservation Committee  
c/o Adam Chapdelaine, Town Manager  
730 Massachusetts Avenue  
Arlington, MA 02476

Community Preservation Committee:

On behalf of the Friends of Spy Pond Park I am writing this letter of support for the Conservation Commission's request for Community Preservation Funds for the "Spy Pond Edge Protection and Erosion Control Project". As ad hoc caretakers of Spy Pond Park our members greatly appreciate this jewel of Arlington and are concerned about preserving and protecting the park shoreline and improving the water quality of Spy Pond.

Arlington's Master Plan substantiates support for this request further by the following:

### **Page 18**

"adaptation to climate change and environmentally sustainable planning and engineering approaches for natural resource management"

"protecting all water bodies and watersheds for both healthy ecological balance and recreational purposes"

"native and natural choices for landscaping on Town-owned properties",

### **Page 133**

"Water quality and environmental degradation of Spy Pond is an ongoing concern."

Arlington's Open Space and Recreation Plan 2015-2022 also indicates support:

### **Page 55**

**Spy Pond** description of Access, Recreational Use and Wildlife Use reiterates the importance of this water body to residents of Arlington and other nearby communities, (and as a potential tourist destination).

### **Page 65**

The Historical Society's Smith Museum now displays the 6 ½ foot tusk, which is about 42,000 years old, that Arvid Carlson found in 1959 in Spy Pond. (This area does have historical significance, too, via Elizabeth Island and the use of the pond as an historical site for practicing war maneuvers.)



**Page 70**

“All of the water bodies in Arlington (particularly Spy Pond....) face the threat of nonpoint pollution from roadway, house, business, and storm water runoff.... Nonpoint pollution travels through runoff or sheets of rainwater that travels across the land.”

**Page 122 &123**

Goal 2 Preserve, maintain and enhance existing open spaces, including watersheds, water bodies, and natural area; parks, playgrounds, and outdoor recreational facilities; and historic sites and cultural landscapes.

Goal 5 Use environmentally sustainable planning and engineering approaches for climate change and natural resources management.

As the above statements indicate, the Town supports a project such as the one for which the Conservation Commission is requesting funding in their February 22, 2016 application. Thus, the Friends of Spy Pond Park wholeheartedly endorses this project for Community Preservation Funding.

Sincerely,

A handwritten signature in cursive script that reads "Karen L. Grossman".

Karen L. Grossman

President

Friends of Spy Pond Park



February 1, 2016

Arlington Community Preservation Committee  
c/o Adam Chapdelaine  
Town Manager  
730 Mass. Ave.  
Arlington, MA 02476

Dear Mr. Chapdelaine,

On behalf of the Mystic River Watershed Association, I am writing in support of the application submitted to the Arlington Community Preservation Committee by the Town of Arlington's Conservation Commission. This well respected Arlington organization seeks funding for a consultant to provide conceptual design for a Spy Pond Edge Protection and Erosion Control Project.

Spy Pond is a 103-acre kettle-hole pond located in and near the heart of Arlington that provides exceptional vistas and serves as important open space for several densely developed east Arlington neighborhoods.

Spy Pond Park is a heavily utilized park, which has a playground, public boat ramp (for kayaks and canoes, motorized boats up to 10 mph and emergency response), picnic areas and access to the adjacent Minuteman bike path.

Addressing edge protection and providing plans for erosion control is an essential next step in efforts to protect and preserve this important public resource and an excellent use of the public funds managed by the Community Preservation Committee.

The Mystic River Watershed Association is delighted to offer support for this application. If you have any questions or require additional information, please feel free to contact me.

With warm regards,

Ek Ong Kar Singh Khalsa, Executive Director

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## Open Space Committee

February 5, 2016

Arlington Community Preservation Committee  
c/o Adam Chapdelaine, Town Manager  
730 Mass. Ave.  
Arlington, MA 02476

Dear Mr. Chapdelaine,

On behalf of the Open Space Committee, I am writing in support of the Conservation Commission's application for Community Preservation Act funds to assess public areas of the Spy Pond shoreline. This project seeks to hire a consultant to provide a conceptual design for "Spy Pond Edge Protection and Erosion Control" on all publicly owned parcels of land around the pond.

Spy Pond is an extensively used and highly valued open space in the center of Arlington. Protection of and improvements to the water quality and natural resources of Spy Pond are among the most important goals and objectives outlined in the recently approved Open Space and Recreation Plan for 2015-2022. See for example Chapter 9, Action Plan, Goal 2-a: Preserve, maintain, and enhance the Town's natural heritage, including watersheds, water bodies, native flora and fauna, and existing natural areas.

The publicly owned areas along Spy Pond are found within Spy Pond Park, at the end of Wellington Street adjacent to the Arlington Boys and Girls Club (60 Pond Lane), adjacent to Spy Pond Park from the edge of the Scannell Field at Linwood Circle to the Spy Pond Condominiums, and a small parcel of land at the end of Spring Valley Street. We hope that all of these areas can be evaluated and that this information can subsequently be used to develop plans for their protection and maintenance.

We hope that you and the Community Preservation Committee will support the Conservation Commission's application to help preserve the shoreline environment of Spy Pond, as documented in the Town's Open Space and Recreation Plan.

Thank you and best regards,

Ann LeRoy, Chair  
Arlington Open Space Committee

February 13, 2016

To the Town of Arlington Community Preservation Fund

Among the Town's parks and natural habitats Spy Pond is unique yet this distinctive asset has proven to be vulnerable and in need of protection and maintenance.

The Spy Pond Committee expresses its strong support of applying CPA funds toward securing a conceptual design for "Edge Protection and Erosion Mitigation" for Spy Pond as sought in the joint effort by the Town of Arlington Conservation Commission in association with The Friends of Spy Pond Park.

In its role as steward and overseer of the Pond's environmental health, this Committee has embarked on efforts to meet many similar challenges – mitigating erosion while improving access – on the State owned property along the southwestern shore (by Route 2). Over the past 8-9 years we have been successful in constructing stone stairwells, obstructing alternative less stable routes, and removing invasive plants in order to make the banks much more user friendly but environmentally sound.

Given the greater density of traffic along Spy Pond Park and its location on the lee shore to the prevailing winds the challenge in that area is greater. The RFP developed by the Conservation Commission appears well thought through and the set of topics under section "Task 2" should provide a solid basis for wise decisions going forward.

Task 2: Analysis and Alternatives

- Analyze protection of wildlife habitat, erosion control, enhancement and protection of public access and circulation in light of the goals (stated above) of the project.
- Site rehabilitation and erosion control Alternatives
- Conceptual Alternatives and Evaluations (no more than two).
- Public Meeting to present and receive public input on analysis and alternatives.

Respectfully submitted,  
Steve Ricci and Brad Barber, Co-chairs  
Spy Pond Committee  
Town of Arlington's Vision 2020  
Environmental Task Group

Arlington-Belmont Crew  
PO Box 525  
Belmont, MA 02478

February 15, 2016

Arlington Community Preservation Committee  
c/o Adam Chapdelaine, Town Manager  
730 Massachusetts Avenue  
Arlington, MA 02476

Re: Application for CPA funds for Spy Pond Project

Dear Mr. Chapdelaine:

This letter is Arlington-Belmont Crew club's response to a request for support for the application of the Arlington Conservation Commission for funds for their Spy Pond Project.

AB Crew Background:

Arlington-Belmont Crew is a non-profit, public high school rowing program offering fall, winter and spring crew training to Arlington and Belmont High School students. Belmont Crew was started in the spring of 2005 by two Belmont High School students who wanted to establish rowing as a recognized team sport in Belmont. With the help of two teachers, each an experienced rower and coxswain, the first Belmont crew team emerged. That first season, there were no races or water practices; instead, students learned rowing techniques on "ergs" (ergometers, or simulated rowing machines) and at MIT's rowing tanks.

In the fall of 2005, Belmont Crew rowed for the first time on the water when Belmont Hill School and Winsor School hosted the club at their boathouse on the Charles River. Our rowers experienced the thrill, and frustrations, of handling an oar and trying to move a boat. The Club rowed each spring on the Charles River at various locations until 2009 when Belmont students joined with Arlington High School students to form Arlington-Belmont Crew. AB Crew now rows on Spy Pond in both the spring and fall.

Since then the team has grown in numbers and accomplishments. AB Crew is the reigning Massachusetts public school state champion and has sent multiple boats to compete in the US Rowing Junior National Championships. Last spring, the Boys Varsity Four won the silver medal at Nationals. The team grows stronger and faster every year. Access to Spy Pond for our water training is an essential component to the team's success.

### Community Involvement:

AB Crew is also actively involved in the Arlington community and is a regular participant in Arlington Town Day. In the summer, AB Crew collaborates with the Arlington Recreation Department to offer several Learn to Row programs, both to adults and middle-school aged and high school students.

Additionally, AB Crew participates in the ongoing protection and beautification of the park and regularly joins up with the Friends of Spy Pond Park for scheduled clean-ups, maintains the crew and community boat storage area, and has financially contributed to the purchase of Elizabeth Island.

AB Crew encourages teen participation in athletics. As members of the team, over 100 Arlington and Belmont high school students not only become more physically fit but also learn to experience and appreciate teamwork, camaraderie, leadership, community service and overcome the physical and mental challenges that are unique to competitive rowing. These student athletes are ambassadors for our community as they compete in regattas in all parts of the country and gain recognition for our towns as one of the top public school competitive rowing clubs of the United States.

In sum, AB Crew is a devoted and active user of Spy Pond. Within any reasonable distance, Spy Pond is the only location available to AB Crew for water practice. While we have not been provided much detail of the Commission's proposal, based on our general understanding, AB Crew supports the Conservation Commission's efforts to preserve and enhance Spy Pond for use as a community and cultural resource that includes crew rowing on the pond.

Thank you for your consideration in this matter.

Sincerely,

Pam Sass  
AB Crew President on  
Behalf of AB Crew Board

10 Milton Street  
Arlington MA 02474-8706

2 February 2016

Arlington Community Preservation Committee  
c/o Adam Chapdelaine, Town Manager  
730 Massachusetts Avenue  
Arlington, MA 02476

Dear Mr. Chapdelaine,

I write in support of the Arlington Conservation Commission application to the Arlington Community Preservation Committee to fund a design project that will preserve and protect Spy Pond from bank and shoreline erosion.

As the Arlington Garden Club member responsible for maintenance of the Spy Pond Rain Garden, my band of gardeners and I regularly spend time in Spy Pond Park, often scheduling work days to tie in with larger events being held in the park on the same day. The main purpose of a rain garden is to catch water that would otherwise run off onto non-permeable surfaces. Plants' deep roots filtrate and "clean" stormwater as it seeps into the soil. As gardeners, we recognize the importance of looking after, nourishing and restoring soil fertility. This same concern of ours applies to the pond's sadly eroding shoreline.

Like many people, I greatly appreciate Spy Pond Park's beauty, centrality and popularity with residents from near and far, and I hope that funds will be secured to safeguard the pond's eroding shoreline.

Thanks to the CPC for its consideration of this proposal.

Emily Snyder

VP-Programs (Evening), Arlington Garden Club  
Chair, AGC's Spy Pond Rain Garden Committee

To: Arlington Community Preservation Committee  
c/o Adam Chapdelaine, Arlington Town Manager  
730 Mass. Ave, Arlington, MA 02476

February 10, 2016

From: Colin & Susanne Blair  
28 Peabody Rd  
Arlington, MA 02476

Re: Protecting Spy Pond, its shore & waters

Spy Pond is an invaluable resource – for people of all ages and throughout the year. The pond and the views from its shores are beautiful and we find incredibly calming. All sorts of birds swoop & splash, there are fish, and the sunsets are extraordinary.

And it's the PARK that provides access to all these elements:

- Wee kids frolic in the playground, and often drag an adult to the shoreline
- People come down from the bike path to meander along the shore
- Couples & families have meals on the benches
- People read – it is serenely quiet – there is zero road noise
- Paddlers carry a canoe down the boat ramp & set out for the island
- Crew teams carry their shell down the ramp, launch it and 4-8 jump in
- After a workout, it's amazing to see the faces of the play-grounders as they watch a girls crew lift their 15-20' shell out of the water by the little beach, carry it up to the path, then **lift it over their heads** and walk off to the road.

I was reminded of all these aspects on a recent January afternoon. I cut off Pleasant St down Wellington and past the B&G club, heading to Walgreens. As I got to the parking area, I had to stop: the setting sun over Route 2 was startling. The sky was clear, but the under side of a stream of clouds above Elizabeth Island was lit by the low sun. As I walked the length of the park, there must have been 10-15 people taking photos. I chatted with a mother & daughter, and we came to agree that we'd both seen a **really, really huge bird** flying above the pond – apparently a bald eagle! I'd also seen one lounging high in a tree at the end of Spring Valley road, on the other side of the pond. Per a Globe article last week, water quality is critical for eagles to stay, so they can hunt successfully for fish.

So for the benefit of both humans and birds, we would argue that preserving and protecting the pond's shoreline for public access and monitoring its water are **very important for all residents of this town**, and for many in neighboring towns. We do think it's really important to get CPA funds for the POND.

Watch for an eagle!



To: Arlington Community Preservation Committee  
c/o Adam Chapdelaine, Town Manager  
730 Mass. Ave., Arlington, MA 02476

From: Anne and Christopher Ellinger  
21 Linwood St.  
Arlington MA 02474

January 26, 2016

Dear Community Preservation Committee,

We are writing in support of the Arlington Conservation Commission's request for funding to help control erosion around the edge of Spy Pond – specifically, funding for a consultant to provide initial conceptual design.

We have lived next to Spy Pond Park for over 30 years. It and the pond are Town treasures, vital to preserve. In the warmer weather, hundreds of people daily, from all over Arlington and beyond get pleasure and renewal from their beauty. The current erosion problem is serious and pervasive, and has ramifications for both the park and the water quality of the pond.

Years ago we helped to start FSPP, and were active in the early days of its successful efforts to renovate the Park. Since then, we have admired the FSPP from afar. We are continually impressed by the dedication of the leaders, the breadth of experience of the many volunteers, and the careful stewardship of the Town's resources. Thus, we join them in endorsing the thoughtful and conscientious actions of the Conservation Commission in applying for CPA funds from the Community Preservation Committee that will provide the much-needed feasibility study and design methods for protecting and preserving the shoreline as well as enhancing the health of this urban pond.

We imagine you'll have much competition for the CPC funds. We hope you will prioritize their request. Feel free to contact us if you want.

Thanks for your good work.  
Christopher and Anne Ellinger  
781-646-1705  
anne.ellinger@gmail.com

246 Pleasant Street  
Arlington MA 02476-8134  
11 February, 2016

Arlington Community Preservation Committee  
c/o Adam Chapdelaine, Town Manager  
730 Mass. Ave  
Arlington, MA 02476

STATEMENT IN SUPPORT OF STABILIZING THE SHORE AT SPY POND PARK:

Spy Pond Park is an outstanding success, the result of wise Town planning and strong volunteer support. In spite of its heavy use, the active corps of volunteers supplement Town maintenance efforts, and in so doing save money and achieve a better result.

Shoreline erosion is a threat to what we have accomplished. I support the appeal by the Conservation Commission for Arlington Community Preservation funds to employ a consultant to provide a design for edge protection and erosion control on Spy Pond for the park and on the adjoining perimeter from Spring Valley to the condominiums.

Yours very truly,

William Eykamp

David and Lauren Kopans  
2 Princeton Road  
Arlington MA 02474

January 29, 2016

Arlington Community Preservation Committee  
c/o Adam Chapdelaine, Town Manager  
730 Mass. Ave.  
Arlington, MA 02476

Dear Arlington Community Preservation Committee:

As longtime residents of Arlington, abutters to Spy Pond, and a family of four that enjoys seeing others happily partaking in all that Spy Pond has to offer to the Arlington and neighboring communities, as well as to the broader ecosystem, we would like to express our strongest support for any program that helps to preserve the Spy Pond shoreline and improve its water quality.

It is our understanding that the Town of Arlington's Conservation Commission is seeking funding to engage a consultant to provide a conceptual design for Spy Pond Edge Protection and Erosion Control on all publically owned parcels of land. We applaud this effort and kindly ask that the Arlington Community Preservation Committee allocate funds to support this project accordingly now and in the future.

Spy Pond, the residents of Arlington, crew teams, Boys and Girls Club sailors, the bald eagle family we just saw landing on the ice (!!!), and all the other various feathered and non-feathered beneficiaries of Spy Pond's magic will thank you. So will we.

Sincerely,

/S/ David /S/ Lauren

David and Lauren Kopans

February 11, 2016

Arlington Community Preservation Committee  
c/o Adam Chapdelaine, Town Manager  
730 Mass. Avenue  
Arlington, Massachusetts 02476

Dear Arlington Community Preservation Committee;

I am writing to voice my concerns about shoreline erosion on Spy Pond and to urge the CPC to grant the funding to move forward with the conceptual design of the Spy Pond Edge Protection and Erosion Control Project.

As an abutter since 1997, I have seen Spy Pond park and shores transform from a state of shabby neglect to a beautiful park that families, boaters, bikers, nature lovers, commuters, etc., enjoy throughout the year. The park has come a long way since '97, but we still have erosion control, water quality, and storm water run-off problems that require study and funding. I have seen the flooding and damage this area experiences from storm water run-off that our current drainage system just cannot handle and the shoreline erosion from lack of adequate plantings and foot traffic control has compromised the integrity of the bank.

As a community, we have invested heavily in the renovation and preservation of this area and have created a rare inner suburb gem here in Arlington at Spy Pond. Please grant the Conservation Commission the funding to help continue careful stewardship of this area as we continue to reap the countless benefits the pond and park provide.

Thank you for your consideration,

Lisa Reynolds

Town Meeting Member

1 Pond Terrace,  
Arlington, MA Precinct 6

Lawrence "Stroker" Rogovin  
32 Philips St.  
Arlington, MA 02474  
(781) 641-2506  
[stroker1001@gmail.com](mailto:stroker1001@gmail.com)

Arlington Community Preservation Committee  
c/o Mr. Adam Chapdelaine, Town Manager  
730 Mass. Ave.  
Arlington, MA 02476

February 2, 2016

Dear ACPC,

I was pleased to learn that the Arlington Conservation Commission is applying for Community Preservation money to help stabilize the shoreline and banks of Spy Pond. I wholeheartedly endorse this use of CPA funds and urge you to do what you can to honor this request.

Civic groups like The Friends of Spy Pond Park, the Arlington Vision 2020 Spy Pond Environment Task Group (of which I am a longstanding member), the Arlington/Belmont Crew, and others have helped renew public use and enjoyment of the pond and once again made it a favorite destination for town residents looking for a little fresh air and a local connection to nature.

But this increased popularity has come at a cost. As a town volunteer, for over ten years now I have helped managed an annual clean up of the path along Rt. 2. Working in concert with the Conservation Commission, we have installed 10 stone staircases down to the water and closed off "bootleg" trails, to help mitigate the soil erosion and plant destruction caused by fisherman and others "loving" the pond a little too much.

To date, the Arlington DPW has been extremely helpful in providing materials for these projects, which have been completed largely with volunteer labor. The Friends of Spy Pond Park have had similar success with rejuvenating the Park along the north shore of the pond. Still, more needs to be done, and the addition of CPA funds will allow the Conservation Committee to further improve one of Arlington's greatest natural treasures.

Again, I urge you to support the Conservation Commission's request for funds to improve Spy Pond.

Respectfully submitted,

*Lawrence Stroker Rogovin*

Lally Stowell  
38 Elmhurst Rd.  
Arlington, MA 02474  
February 6, 2016

Arlington Community Preservation Committee  
c/o Adam Chapdelaine, Town Manager  
730 Mass Ave.  
Arlington, MA 02476

To Whom it May Concern:

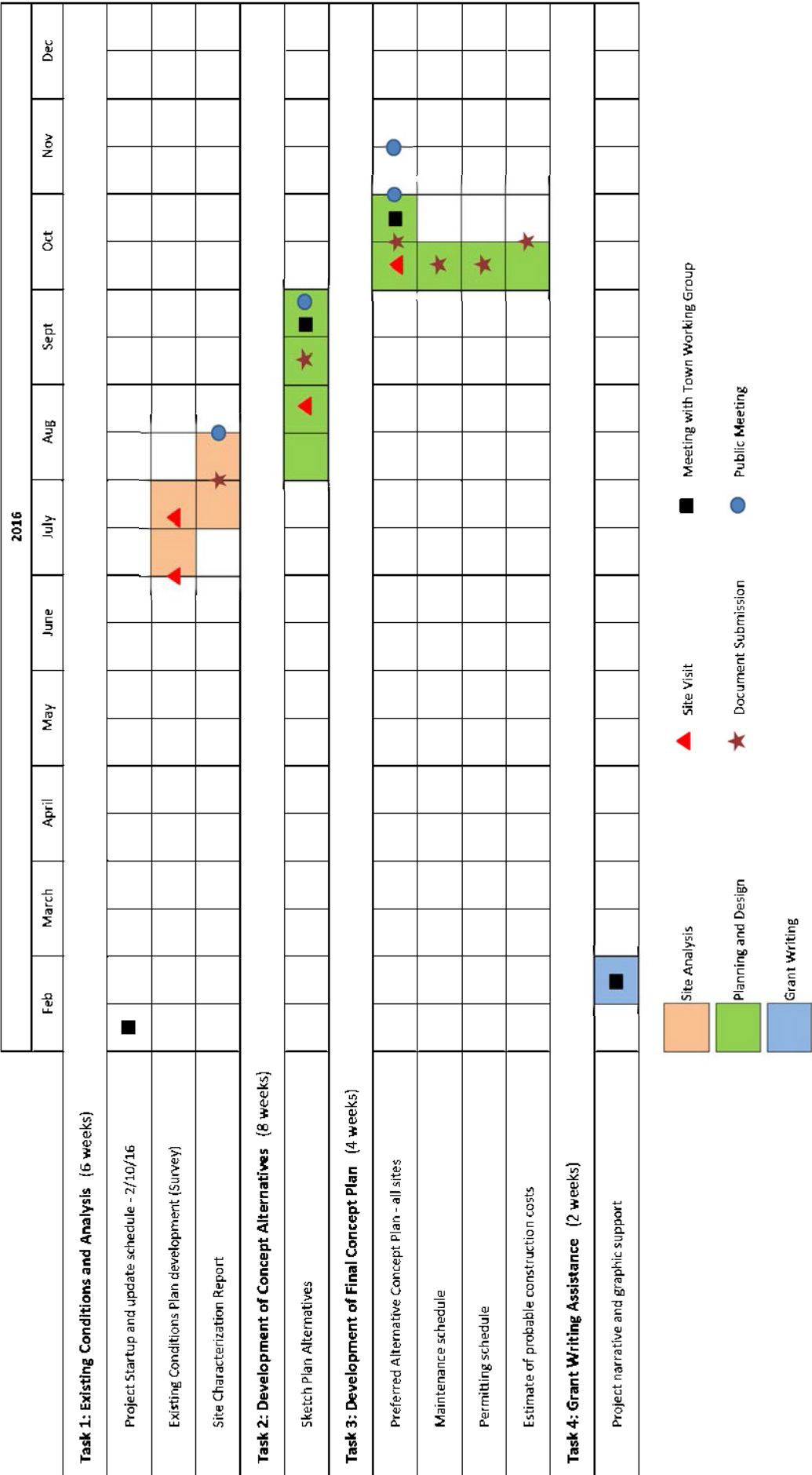
As an Arlington resident and frequent visitor to Spy Pond Park, I have long appreciated and valued the beauty and unique opportunities Spy Pond Park has to offer a diversity of cultures, families and individuals of all ages. At all times of day, in all seasons, I have seen people walking through the park, stopping to enjoy the many different views of the pond, coming down from the bike trail, picnicking, spending time with their children at the playground and the beach, launching their canoes or kayaks, or reading/talking on one of the benches lining the park or on one of the boulders at the water's edge.

As a member and active volunteer with the Friends of Spy Pond Park at our seven yearly work days, I have seen and am concerned about erosion along the shoreline and issues involving water quality and storm water run off. I think it is crucial that serious attention be given to these growing problems. I, therefore, strongly support the proposed design project aimed at preserving and protecting Spy Pond from bank and shoreline erosion, so that it will continue to be a beautiful resource available from Spy Pond Park and the Boys and Girls Club and on view from Scanell Field, Linwood Circle and Spring Valley Street. I hope that this Town-owned land on the shore of Spy Pond will provide additional assistance in protecting the Pond from storm water runoff pollution for many generations to come.

Sincerely,

Lally Stowell

**Spy Pond Edge Protection & Erosion Damage Mitigation Project**  
**Schedule**



## APPENDIX 6: PROPOSED COSTS

### Fee Proposal for Spy Pond Edge Protection and Erosion Damage Mitigation Town of Arlington Conservation Commission, Arlington MA

		Duke	Bob N.	Jason	Nick	
	<b>HOURLY STAFF RATE INCLUDING OVERHEAD AND FEE</b>	\$170.00	\$148.00	\$129.00	\$80.00	Budget Total
<b>No.</b>	<b>Activity Work Task</b>					
	<b>Task 1 - Existing Conditions and Analysis (6 weeks)</b>					
1.1	Two (2) site visits to assess and map existing conditions (2-person)		8	4	4	\$2,020.00
1.2	One (1) meeting with Town and Working Partners (1, 2-person)	3		3		\$897.00
1.3	Project schedule			2		\$258.00
1.4	Existing Conditions Survey (Precision Land Survey)					\$13,200.00
1.5	Survey coordination			2	4	\$578.00
1.6	Site Characterization Report	2	16	8	4	\$4,060.00
1.7	One (1) public meeting	2		4		\$856.00
	<b>Subtotal, Task 1</b>	7	24	23	12	<b>\$21,869.00</b>
	<b>Task 2 - Concept Alternatives (8 weeks)</b>					
2.1	One (1) site walk to assess and ground-truth alternatives		4	4		\$1,108.00
2.2	Sketch Plan Alternatives - up to 2 (rendered, 30"x42" each)	1	16	8	24	\$5,490.00
2.3	One (1) client meeting to present alternative options	4		4		\$1,196.00
2.4	Three (3) illustrative boards for Con Com presentation	1		4	16	\$1,966.00
2.5	One (1) public meeting with Con Com to present sketch plan alternatives	2		4		\$856.00
	<b>Subtotal, Task 2</b>	8	20	24	40	<b>\$10,616.00</b>
	<b>Task 3 - Preferred Alternative (4 weeks)</b>					
3.1	One (1) site visits to ground-truth final concept plan (1-person)			4		\$516.00
3.2	One (1) client meeting to present Preferred (final) Alternative	3		3		\$897.00
3.3	Two (2) public presentations to present Preferred (final) Alternative			8	8	\$1,672.00
3.4	Maintenance schedule	1		2	4	\$748.00
3.5	Permitting schedule			2	4	\$578.00
3.6	Final Concept Plan	2	2	8	16	\$2,948.00
3.7	Preliminary est. of probable construction costs	1		4	4	\$1,006.00
	<b>Subtotal, Task 3</b>	7	2	31	36	<b>\$8,365.00</b>
	<b>Task 4 - Grant Writing Assistance (2 weeks)</b>					
4.1	Two (2) support boards and Powerpoint slides	2		4	4	\$1,176.00
4.2	Narrative support		4	6		\$1,366.00
4.3	Review meeting with Town Working Group			3		\$387.00
4.4	Presentation to Arlington CPAC			3		\$387.00
	<b>Subtotal, Task 4</b>	2	4	16	4	<b>\$3,316.00</b>
	<b>SUBTOTAL, DIRECT LABOR</b>	<b>24</b>	<b>50</b>	<b>94</b>	<b>92</b>	<b>\$44,166.00</b>

#### Estimated Expenses

Drawings and Presentation Submittals	\$300.00
Photocopies	\$50.00
Mileage (10 rt at \$0.54/mile)	\$270.00
<b>SUBTOTAL, ESTIMATED EXPENSES</b>	<b>\$620.00</b>

<b>PROJECT TOTAL</b>	<b>\$44,786.00</b>
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Cbeckwith@town.arlington.ma.us

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